EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 1 | ("20020148655").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 15:50 |
| L2 | 1 | ("20070114367").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L3 | 22 | US-5939702-$.DID. OR US-5774602-$.DID. OR US-5852434-$.DID. OR US-4475240-$.DID. OR US-6454482-$.DID. OR US-6751410-$.DID. OR US-20020175903-$.DID. OR US-6570104-$.DID. OR US-6674427-$.DID. OR US-20010038349-$.DID. OR US-20030066896-$.DID. OR US-5477012-$.DID. OR US-6330976-$.DID. OR US-20020044138-$.DID. OR US-20020048404-$.DID. OR US-20030053699-$.DID. OR US-20030118233-$.DID. OR US-20030122855-$.DID. OR US-20030128194-$.DID. OR US-6667695-$.DID. OR US-6732927-$.DID. OR US-7006134-$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/23 16:19 |
| L4 | 1 | US-20020148655-$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/23 16:19 |
| L5 | 3 | (pen stylus).ab,ti. AND ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L6 | 184 | (imag$4).ab,ti. AND ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L7 | 1 | (lightpipe light adj pipe boresight) with ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L8 | 5 | (lightpipe light adj pipe boresight) same ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |

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|---|---|---|---|---|---|---|
| L9 | 3989 | ((optical adj axis) with (right adj angle "90" adj degree)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L10 | 5 | (pen stylus).ti,ab. AND ((optical adj axis) with (right adj angle "90" adj degree)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L11 | 1133 | ( (right adj angle "90" adj degree) with imaging) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L12 | 3 | (pen stylus).ti,ab. AND ((right adj angle "90" adj degree) with imaging) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L13 | 5 | (pen stylus).ti,ab. AND ((right adj angle "90" adj degree) with optics) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L14 | 4006 | (2d 2-dimensional x-y ccd) AND ((right adj angle "90" adj degree) with imag$3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L15 | 1256 | ((2d 2-dimensional x-y ccd) near imag$3) AND ((right adj angle "90" adj degree) with imag$3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L16 | 306 | ((2d 2-dimensional x-y ccd) near imag$3) same ((right adj angle "90" adj degree) with imag $3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L17 | 3 | ((right adj angle "90" adj degree) with imag$3 with (lightpipe light-pipe light adj pipe)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L18 | 126 | ((right adj angle "90" adj degree) with (lightpipe light-pipe light adj pipe)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L19 | 13 | "385".clas. AND (stray adj light (light radiation) near (trap$4 sink)) AND (pen stylus) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L20 | 23472 | ((lead pin) near2 (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L21 | 153 | ("345".clas. OR "359".clas.) AND ((lead pin) near2 (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L22 | 1089 | ((electr$6) near (lead pin) with (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |

| L23 | 24 | ("345".clas. OR "359".clas.) AND((electr$6) near (lead pin) with (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
|---|---|---|---|---|---|---|
| L24 | 100 | (345/156,179-183.ccls. (pen stylus).ti,ab.) AND (image same (calib$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L25 | 49 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image same (calib$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L26 | 160 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image same (correct$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L27 | 36 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image with (correct$8) with (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L28 | 13 | (345/179-183.ccls. (pen stylus).ti,ab.) AND ((calib$8 correcti$4) with (contact adj point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L29 | 37838 | ((178/18.01,19.01,180.09) or (235/375,454,456,462.1,472.01,487,494) or (250/231,237) or (235/380,435,454,456,462.08,462.1,494) or (341/5,13,23,51,57,67,87,89,90) or (340/710) or (348/207.99,222.1) or (382/173,188,228,232,237,270,293,296,297,306,313,314,317,321)). CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L30 | 14595 | (345/156,166,173,175,178,179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L31 | 50151 | L29 L30 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L32 | 31515 | L31 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L33 | 96 | L32 AND image same ((calibrat$ adjust$ modif$) with ((contact point tip stylus pen) near2 (position location))) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L34 | 21 | L32 AND image same ((calibrat$ adjust$ modif$) with ((pointer) near2 (position location))) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L35 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |

| L36 | 1465 | L35 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
|-----|------|------|------|------|------|------|
| L37 | 698 | L36 AND ((CCD image camera) same (position coordinat$ locat$)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L38 | 583 | L36 AND ((CCD image camera) with (position coordinat$ locat$)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L39 | 941 | L36 AND (pattern grid cod$4) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L40 | 199 | L36 AND (((CCD image camera) with (position coordinat$ locat$)) same (pattern grid cod$4)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L41 | 104 | L36 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L42 | 36 | L36 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$ with image) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L43 | 35 | L39 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$ with image) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L44 | 145 | L39 AND ((tip contact stylus pen nib ball) near2 (position coordinat$ locat$)) same (calibrat$ adjust$ compensat$) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L45 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L46 | 1465 | L45 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L47 | 28 | L46 AND image near (tip nib) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L48 | 0 | L46 AND image near (contact adj point) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |

| L49 | 53 | L46 AND image near2 (tip nib) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
|---|---|---|---|---|---|---|
| L50 | 25 | L49 NOT L47 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L51 | 268 | ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L52 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L53 | 0 | L52 AND ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L54 | 37838 | ((178/18.01,19.01,180.09) or (235/375,454,456,462.1,472.01,487,494) or (250/231,237) or (235/380,435,454,456,462.08,462.1,494) or (341/5,13,23,51,57,67,87,89,90) or (340/710) or (348/207.99,222.1) or (382/173,188,228,232,237,270,293,296,297,306,313,314,317,321)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L55 | 14595 | (345/156,166,173,175,178,179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L56 | 50151 | L54 L55 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L57 | 31515 | L56 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L58 | 0 | L57 AND ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L59 | 1 | ("5051736").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L60 | 1 | ("20070114367").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |

| L61 | 22 | US-5939702-$.DID. OR US-5774602-$.DID. OR US-5852434-$.DID. OR US-4475240-$.DID. OR US-6454482-$.DID. OR US-6751410-$.DID. OR US-20020175903-$.DID. OR US-6570104-$.DID. OR US-6674427-$.DID. OR US-20010038349-$.DID. OR US-20030066896-$.DID. OR US-5477012-$.DID. OR US-6330976-$.DID. OR US-20020044138-$.DID. OR US-20020048404-$.DID. OR US-20030053699-$.DID. OR US-20030118233-$.DID. OR US-20030122855-$.DID. OR US-20030128194-$.DID. OR US-6667695-$.DID. OR US-6732927-$.DID. OR US-7006134-$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/23 16:19 |
|---|---|---|---|---|---|---|
| L62 | 1 | US-20020148655-$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/23 16:19 |
| L63 | 3 | (pen stylus).ab,ti. AND ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L64 | 184 | (imag$4).ab,ti. AND ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L65 | 1 | (lightpipe light adj pipe boresight) with ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L66 | 5 | (lightpipe light adj pipe boresight) same ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L67 | 3989 | ((optical adj axis) with (right adj angle "90" adj degree)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L68 | 5 | (pen stylus).ti,ab. AND ((optical adj axis) with (right adj angle "90" adj degree)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L69 | 1133 | ( (right adj angle "90" adj degree) with imaging) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L70 | 3 | (pen stylus).ti,ab. AND ((right adj angle "90" adj degree) with imaging) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L71 | 5 | (pen stylus).ti,ab. AND ((right adj angle "90" adj degree) with optics) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |

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|---|---|---|---|---|---|---|
| L72 | 4006 | (2d 2-dimensional x-y ccd) AND ((right adj angle "90" adj degree) with imag$3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L73 | 1256 | ((2d 2-dimensional x-y ccd) near imag$3) AND ((right adj angle "90" adj degree) with imag$3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L74 | 306 | ((2d 2-dimensional x-y ccd) near imag$3) same ((right adj angle "90" adj degree) with imag $3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L75 | 3 | ((right adj angle "90" adj degree) with imag$3 with (lightpipe light-pipe light adj pipe)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L76 | 126 | ((right adj angle "90" adj degree) with (lightpipe light-pipe light adj pipe)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L77 | 13 | "385".clas. AND (stray adj light (light radiation) near (trap$4 sink)) AND (pen stylus) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L78 | 23472 | ((lead pin) near2 (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L79 | 153 | ("345".clas. OR "359".clas.) AND ((lead pin) near2 (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L80 | 1089 | ((electr$6) near (lead pin) with (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L81 | 24 | ("345".clas. OR "359".clas.) AND((electr$6) near (lead pin) with (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L82 | 100 | (345/156,179-183.ccls. (pen stylus).ti,ab.) AND (image same (calib$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L83 | 49 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image same (calib$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L84 | 160 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image same (correct$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L85 | 36 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image with (correct$8) with (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |

| L86 | 13 | (345/179-183.ccls. (pen stylus).ti,ab.) AND ((calib$8 correcti$4) with (contact adj point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
|---|---|---|---|---|---|---|
| L87 | 37838 | ((178/18.01,19.01,180.09) or (235/375,454,456,462.1,472.01,487,494) or (250/231,237) or (235/380,435,454,456,462.08,462.1,494) or (341/5,13,23,51,57,67,87,89,90) or (340/710) or (348/207.99,222.1) or (382/173,188,228,232,237,270,293,296,297,306,313,314,317,321)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L88 | 14595 | (345/156,166,173,175,178,179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L89 | 50151 | L87 L88 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L90 | 31515 | L89 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L91 | 96 | L90 AND image same ((calibrat$ adjust$ modif$) with ((contact point tip stylus pen) near2 (position location))) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L92 | 21 | L90 AND image same ((calibrat$ adjust$ modif$) with ((pointer) near2 (position location))) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L93 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L94 | 1465 | L93 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L95 | 698 | L94 AND ((CCD image camera) same (position coordinat$ locat$)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L96 | 583 | L94 AND ((CCD image camera) with (position coordinat$ locat$)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L97 | 941 | L94 AND (pattern grid cod$4) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L98 | 199 | L94 AND (((CCD image camera) with (position coordinat$ locat$)) same (pattern grid cod$4)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |

| L99 | 104 | L94 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
|---|---|---|---|---|---|---|
| L100 | 36 | L94 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$ with image) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L101 | 35 | L97 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$ with image) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L102 | 145 | L97 AND ((tip contact stylus pen nib ball) near2 (position coordinat$ locat$)) same (calibrat$ adjust$ compensat$) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L103 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L104 | 1465 | L103 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L105 | 28 | L104 AND image near (tip nib) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L106 | 0 | L104 AND image near (contact adj point) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L107 | 53 | L104 AND image near2 (tip nib) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L108 | 25 | L107 NOT L105 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L109 | 268 | ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L110 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L111 | 0 | L110 AND ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |

| L112 | 37838 | ((178/18.01,19.01,180.09) or (235/375,454,456,462.1,472.01,487,494) or (250/231,237) or (235/380,435,454,456,462.08,462.1,494) or (341/5,13,23,51,57,67,87,89,90) or (340/710) or (348/207.99,222.1) or (382/173,188,228,232,237,270,293,296,297,306,313,314,317,321)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
|------|-------|---|---|---|---|---|
| L113 | 14595 | (345/156,166,173,175,178,179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L114 | 50151 | L112 L113 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L115 | 31515 | L114 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L116 | 0 | L115 AND ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:19 |
| L117 | 1 | ("5051736").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:19 |
| L124 | 1 | ("20020148655").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L125 | 3989 | ((optical adj axis) with (right adj angle "90" adj degree)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L126 | 1133 | ( (right adj angle "90" adj degree) with imaging) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L127 | 4006 | (2d 2-dimensional x-y ccd) AND ((right adj angle "90" adj degree) with imag$3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L128 | 1256 | ((2d 2-dimensional x-y ccd) near imag$3) AND ((right adj angle "90" adj degree) with imag$3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L129 | 23472 | ((lead pin) near2 (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |

| L130 | 1089 | ((electr$6) near (lead pin) with (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
|------|------|-----|-----|-----|-----|-----|
| L131 | 160 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image same (correct$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L132 | 37838 | ((178/18.01,19.01,180.09) or (235/375,454,456,462.1,472.01,487,494) or (250/231,237) or (235/380,435,454,456,462.08,462.1,494) or (341/5,13,23,51,57,67,87,89,90) or (340/710) or (348/207.99,222.1) or (382/173,188,228,232,237,270,293,296,297,306,313,314,317,321)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L133 | 14595 | (345/156,166,173,175,178,179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L134 | 50151 | L29 L30 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L135 | 31515 | L31 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L136 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L137 | 1465 | L35 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L138 | 698 | L36 AND ((CCD image camera) same (position coordinat$ locat$)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L139 | 583 | L36 AND ((CCD image camera) with (position coordinat$ locat$)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L140 | 941 | L36 AND (pattern grid cod$4) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L141 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |

| L142 | 1465 | L45 AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
|---|---|---|---|---|---|---|
| L143 | 0 | L46 AND image near (contact adj point) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L144 | 53 | L46 AND image near2 (tip nib) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L145 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L146 | 0 | L52 AND ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L147 | 37838 | ((178/18.01,19.01,180.09) or (235/375,454,456,462.1,472.01,487,494) or (250/231,237) or (235/380,435,454,456,462.08,462.1,494) or (341/5,13,23,51,57,67,87,89,90) or (340/710) or (348/207.99,222.1) or (382/173,188,228,232,237,270,293,296,297,306,313,314,317,321)). CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L148 | 14595 | (345/156,166,173,175,178,179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L149 | 50151 | L54 L55 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L150 | 31515 | L56 AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L151 | 0 | L57 AND ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L152 | 3989 | ((optical adj axis) with (right adj angle "90" adj degree)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L153 | 1133 | ( (right adj angle "90" adj degree) with imaging) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L154 | 4006 | (2d 2-dimensional x-y ccd) AND ((right adj angle "90" adj degree) with imag$3) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |

| L155 | 1256 | ((2d 2-dimensional x-y ccd) near imag$3) AND ((right adj angle "90" adj degree) with imag$3) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
|------|------|------|------|------|------|------|
| L156 | 23472 | ((lead pin) near2 (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L157 | 1089 | ((electr$6) near (lead pin) with (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L158 | 160 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image same (correct$8) same (contact tip point)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L159 | 37838 | ((178/18.01,19.01,180.09) or (235/375,454,456,462.1,472.01,487,494) or (250/231,237) or (235/380,435,454,456,462.08,462.1,494) or (341/5,13,23,51,57,67,87,89,90) or (340/710) or (348/207.99,222.1) or (382/173,188,228,232,237,270,293,296,297,306,313,314,317,321)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L160 | 14595 | (345/156,166,173,175,178,179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L161 | 50151 | L87 L88 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L162 | 31515 | L89 AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L163 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L164 | 1465 | L93 AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L165 | 698 | L94 AND ((CCD image camera) same (position coordinat$ locat$)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L166 | 583 | L94 AND ((CCD image camera) with (position coordinat$ locat$)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L167 | 941 | L94 AND (pattern grid cod$4) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |

| L168 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
|---|---|---|---|---|---|---|
| L169 | 1465 | L103 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L170 | 0 | L104 AND image near (contact adj point) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L171 | 53 | L104 AND image near2 (tip nib) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L172 | 2012 | (345/179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L173 | 0 | L110 AND ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L174 | 37838 | ((178/18.01,19.01,180.09) or (235/375,454,456,462.1,472.01,487,494) or (250/231,237) or (235/380,435,454,456,462.08,462.1,494) or (341/5,13,23,51,57,67,87,89,90) or (340/710) or (348/207.99,222.1) or (382/173,188,228,232,237,270,293,296,297,306,313,314,317,321)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L175 | 14595 | (345/156,166,173,175,178,179).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L176 | 50151 | L112 L113 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L177 | 31515 | L114 AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L178 | 0 | L115 AND ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L182 | 1 | ("20070114367").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |

| L183 | 22 | US-5939702-$.DID. OR US-5774602-$.DID. OR US-5852434-$.DID. OR US-4475240-$.DID. OR US-6454482-$.DID. OR US-6751410-$.DID. OR US-20020175903-$.DID. OR US-6570104-$.DID. OR US-6674427-$.DID. OR US-20010038349-$.DID. OR US-20030066896-$.DID. OR US-5477012-$.DID. OR US-6330976-$.DID. OR US-20020044138-$.DID. OR US-20020048404-$.DID. OR US-20030053699-$.DID. OR US-20030118233-$.DID. OR US-20030122855-$.DID. OR US-20030128194-$.DID. OR US-6667695-$.DID. OR US-6732927-$.DID. OR US-7006134-$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/23 16:47 |
|---|---|---|---|---|---|---|
| L184 | 1 | US-20020148655-$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/23 16:47 |
| L185 | 3 | (pen stylus).ab,ti. AND ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L186 | 184 | (imag$4).ab,ti. AND ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L187 | 1 | (lightpipe light adj pipe boresight) with ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L188 | 5 | (lightpipe light adj pipe boresight) same ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L189 | 5 | (pen stylus).ti,ab. AND ((optical adj axis) with (right adj angle "90" adj degree)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L190 | 3 | (pen stylus).ti,ab. AND ((right adj angle "90" adj degree) with imaging) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L191 | 5 | (pen stylus).ti,ab. AND ((right adj angle "90" adj degree) with optics) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L192 | 306 | ((2d 2-dimensional x-y ccd) near imag$3) same ((right adj angle "90" adj degree) with imag$3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L193 | 3 | ((right adj angle "90" adj degree) with imag$3 with (lightpipe light-pipe light adj pipe)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |

| L194 | 126 | ((right adj angle "90" adj degree) with (lightpipe light-pipe light adj pipe)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
|---|---|---|---|---|---|---|
| L195 | 13 | "385".clas. AND (stray adj light (light radiation) near (trap$4 sink)) AND (pen stylus) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L196 | 153 | ("345".clas. OR "359".clas.) AND ((lead pin) near2 (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L197 | 24 | ("345".clas. OR "359".clas.) AND((electr$6) near (lead pin) with (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L198 | 100 | (345/156,179-183.ccls. (pen stylus).ti,ab.) AND (image same (calib$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L199 | 49 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image same (calib$8 same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L200 | 36 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image with (correct$8) with (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L201 | 13 | (345/179-183.ccls. (pen stylus).ti,ab.) AND ((calib$8 correcti$4) with (contact adj point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L202 | 96 | L32 AND image same ((calibrat$ adjust$ modif$) with ((contact point tip stylus pen) near2 (position location))) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L203 | 21 | L32 AND image same ((calibrat$ adjust$ modif$) with ((pointer) near2 (position location))) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L204 | 199 | L36 AND (((CCD image camera) with (position coordinat$ locat$)) same (pattern grid cod$4)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L205 | 104 | L36 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L206 | 36 | L36 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$ with image) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L207 | 35 | L39 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$ with image) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |

| L208 | 145 | L39 AND ((tip contact stylus pen nib ball) near2 (position coordinat$ locat$)) same (calibrat$ adjust$ compensat$) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
|---|---|---|---|---|---|---|
| L209 | 28 | L46 AND image near (tip nib) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L210 | 25 | L49 NOT L47 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L211 | 268 | ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L212 | 1 | ("5051736").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L213 | 1 | ("20070114367").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |
| L214 | 22 | US-5939702-$.DID. OR US-5774602-$.DID. OR US-5852434-$.DID. OR US-4475240-$.DID. OR US-6454482-$.DID. OR US-6751410-$.DID. OR US-20020175903-$.DID. OR US-6570104-$.DID. OR US-6674427-$.DID. OR US-20010038349-$.DID. OR US-20030066896-$.DID. OR US-5477012-$.DID. OR US-6330976-$.DID. OR US-20020044138-$.DID. OR US-20020048404-$.DID. OR US-20030053699-$.DID. OR US-20030118233-$.DID. OR US-20030122855-$.DID. OR US-20030128194-$.DID. OR US-6667695-$.DID. OR US-6732927-$.DID. OR US-7006134-$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/23 16:47 |
| L215 | 1 | US-20020148655-$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/23 16:47 |
| L216 | 3 | (pen stylus).ab,ti. AND ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L217 | 184 | (imag$4).ab,ti. AND ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L218 | 1 | (lightpipe light adj pipe boresight) with ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |

| L219 | 5 | (lightpipe light adj pipe boresight) same ((emitter LED lamp light illumina$) with (detector sensor ccd photodetector) with (common "same") near (substrate pcb carrier circuitboard circuit adj board pwb printed adj circuit adj board printed adj wir$3 adj board)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
|---|---|---|---|---|---|---|
| L220 | 5 | (pen stylus).ti,ab. AND ((optical adj axis) with (right adj angle "90" adj degree)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L221 | 3 | (pen stylus).ti,ab. AND ((right adj angle "90" adj degree) with imaging) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L222 | 5 | (pen stylus).ti,ab. AND ((right adj angle "90" adj degree) with optics) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L223 | 306 | ((2d 2-dimensional x-y ccd) near imag$3) same ((right adj angle "90" adj degree) with imag$3) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L224 | 3 | ((right adj angle "90" adj degree) with imag$3 with (lightpipe light-pipe light adj pipe)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L225 | 126 | ((right adj angle "90" adj degree) with (lightpipe light-pipe light adj pipe)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L226 | 13 | "385".clas. AND (stray adj light (light radiation) near (trap$4 sink)) AND (pen stylus) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L227 | 153 | ("345".clas. OR "359".clas.) AND ((lead pin) near2 (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L228 | 24 | ("345".clas. OR "359".clas.) AND((electr$6) near (lead pin) with (retain$4 retention secure fix fixture clamp hold)) same (assembly module carrier component) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L229 | 100 | (345/156,179-183.ccls. (pen stylus).ti,ab.) AND (image same (calib$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L230 | 49 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image same (calib$8) same (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L231 | 36 | (345/179-183.ccls. (pen stylus).ti,ab.) AND (image with (correct$8) with (contact tip point)) AND (@pd<"20031215" OR @ad<"20031215" OR @rlad<"20031215" OR @prad<"20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |

| L232 | 13 | (345/179-183.ccls. (pen stylus).ti,ab.) AND ((calib$8 correcti$4) with (contact adj point)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
|---|---|---|---|---|---|---|
| L233 | 96 | L90 AND image same ((calibrat$ adjust$ modif$) with ((contact point tip stylus pen) near2 (position location))) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L234 | 21 | L90 AND image same ((calibrat$ adjust$ modif$) with ((pointer) near2 (position location))) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L235 | 199 | L94 AND (((CCD image camera) with (position coordinat$ locat$)) same (pattern grid cod$4)) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L236 | 104 | L94 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L237 | 36 | L94 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$ with image) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L238 | 35 | L97 AND ((CCD image camera) with (position coordinat$ locat$)) AND (calibrat$ with image) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L239 | 145 | L97 AND ((tip contact stylus pen nib ball) near2 (position coordinat$ locat$)) same (calibrat$ adjust$ compensat$) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L240 | 28 | L104 AND image near (tip nib) | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L241 | 25 | L107 NOT L105 | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L242 | 268 | ((lead near form$4) with (clamp$4 hold$4 secur$4 bias locat$4) same (module daughter$ assembly subassembly sub-assembly sub adj assembly)) AND (@pd< "20031215" OR @ad< "20031215" OR @rlad< "20031215" OR @prad< "20020615") | US-PGPUB; USPAT | OR | ON | 2010/09/23 16:47 |
| L243 | 1 | ("5051736").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/09/23 16:47 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|

| L118 | 2015 | (345/179).CCLS. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/09/23 16:19 |
| L119 | 0 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) adj2 between).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:19 |
| L120 | 0 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) near3 hole).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:19 |
| L121 | 3 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) and (imaging optics light adj pipe)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:19 |
| L122 | 1 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) same (carrier)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:19 |
| L123 | 9 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) same (between)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:19 |
| L179 | 2015 | (345/179).CCLS. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/09/23 16:47 |
| L180 | 0 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) adj2 between).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:47 |
| L181 | 0 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) near3 hole).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:47 |
| L244 | 3 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) and (imaging optics light adj pipe)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:47 |
| L245 | 1 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) same (carrier)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:47 |
| L246 | 9 | L118 AND ((pcb pwb printed adj (circuit wiring) adj board) same (between)).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/09/23 16:47 |

9/23/2010 4:57:06 PM
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